In re Patent Application of:
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IN THE CLAIMS:

Please cancel Claims 18-37 and replace with new Claims 38-57.

38.   (New) A supply chain management system that authorizes a requisition cycle of supply chain assets, the supply chain management system comprising:

a predictive diagnostic condition management system carried by a vehicle to assign at least one failure code to a vehicle component, said predictive diagnostic condition management system being in communication with and spaced apart from an off-board predictive diagnostic condition management system that receives the at least one failure code and generates at least one off-board failure code responsive to the at least one failure code; and

a distributed secure information system in communication with the off-board predictive diagnostic condition management system to receive the at least one off-board failure code, said distributed secure information system comprising a plurality of modules in communication with one another to authorize delivery of at least one vehicle asset to a location of the vehicle from an issuing location, to authorize delivery of the vehicle component from the location of the vehicle to a repair source, and to replenish the at least one vehicle asset to the issuing location.

39.   (New) A supply chain management system according to Claim 38 wherein delivery of the at least one vehicle asset is autonomically authorized responsive to the at least one off-board failure code.

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40. (New) A supply chain management system according to Claim 38 wherein the at least one off-board failure code includes a vehicle number, an issue failure priority code, a part number, a commercial and government entity code, a serial number, and a location of the component on the vehicle.

41. (New) A supply chain management system according to Claim 38 wherein one of the plurality of modules is a total asset visibility module for determining availability of the at least one vehicle asset at a local site, and for searching other sites if the at least one vehicle asset is not available at the local site.

42. (New) A supply chain management system according to Claim 41 wherein said total asset visibility module provides real-time global location, quantity and status of vehicle assets in place and in transit.

43. (New) A supply chain management system according to Claim 41 further comprising a configuration management and a logistics support analysis record, both in communication with said total asset visibility module to compare the at least one off-board failure code to the at least one vehicle asset at the issuing location.

44. (New) A supply chain management system according to Claim 38 wherein the requisition cycle is semi-autonomically initiated by a user to authorize delivery of the at least one vehicle asset to the vehicle, and to determine availability of the at least one vehicle asset.

45. (New) A supply chain management system according to Claim 38 wherein one of said plurality of modules is a retrograde module in communication with a logistics support analysis record, and comprising a source, maintainability, and recoverability code for determining if the vehicle component is repairable, and to determine a location of the repair source.

46. (New) A supply chain management system according to Claim 38 wherein one of said plurality of modules is a routing module to determine routing of the at least one vehicle asset.

47. (New) A supply chain management system according to Claim 46 wherein said routing module calculates an asset delivery schedule of the at least one vehicle asset based on at least one of a time definite delivery standard and material delivery performance effectiveness.

48. (New) A supply chain management system according to Claim 38 wherein one of said plurality of modules is a records module for providing historical data and material delivery performance effectiveness data.

49. (New) A supply chain management system according to Claim 38 wherein one of said plurality of modules is a surge priority ranking module for determining priority of delivery of the at least one vehicle asset from the issuing location to the location of the vehicle.

50. (New) A supply chain management system according to Claim 38 further comprising at least one alert alarm that is activated when a predetermined condition exists;

and wherein the predetermined condition is at least one of inability to locate the at least one vehicle asset, and an inability to deliver the at least one vehicle asset within a time definite delivery standard.

51. (New) A supply chain management system according to Claim 38 wherein said at least one vehicle asset includes at least one of a bar code affixed thereto and a radio frequency identification tag for identification.

52. (New) A method of using a supply chain management system, the method comprising:

assigning at least one failure code to a component of a vehicle;

receiving the at least one failure code at an off-board predictive diagnostic management system;

converting the at least one failure code to an off-board predictive diagnostic management system, the at least one off-board failure code including a vehicle number, an issue failure priority code, a part number, a commercial and government entity code, a serial number, and a location of the vehicle component on the vehicle;

authorizing delivery of at least one vehicle asset to the vehicle;

delivering a vehicle component from the vehicle to a repair source; and

replenishing the at least one vehicle asset to an issuing location.

53. (New) A method according to Claim 52 wherein authorizing delivery of the at least one vehicle asset comprises autonomically authorizing delivery of the at least

one vehicle asset responsive to the at least one off-board failure code.

54.   (New) A method according to Claim 52 further comprising determining availability of the at least one vehicle asset at a local site, and searching other sites if the vehicle asset is not available at the local site.

55.   (New) A method according to Claim 52 further comprising determining if the vehicle component is repairable and determining a location of the repair source.

56.   (New) A method according to Claim 52 further comprising calculating an asset delivery schedule of the at least one vehicle asset based on a time definite delivery standard.

57.   (New) A method according to Claim 52 further comprising determining priority of delivery of the at least one vehicle asset from an issuing location to the location of the vehicle using a surge priority ranking module.